

Appl. No. 10/502,036
Reply to Office Action of April 12, 2006

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Currently Amended) An image display apparatus comprising:
 - a spatial light modulation element including a reflection electrode;
 - an illumination optical system including a polarization element, an integrator in which plural elements are arranged in a matrix form, and a light source, ~~and serving to allow illumination light emitted from the light source to be obliquely incident on which indirectly illuminates~~ the spatial light modulation element through the polarization element and the integrator ~~to illuminate the spatial light modulation element;~~
 - a projection lens for ~~forming~~ projecting an image ~~of produced by~~ the spatial light modulation element; and
 - a reflection plane surface disposed in the vicinity of the rear end portion of the projection lens in such a manner to ~~suppress~~ minimize a tilt angle between with respect to a surface of the spatial light modulation element ~~of and an optical axis of the~~ illumination light beams incident on ~~emitted from~~ the spatial light modulation element, and in such a manner

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that any modulated light beams beam reflected from the spatial light modulation element ~~are~~
does not crossed cross the illumination beam that generated it, and

wherein the aspect ratio of respective elements of the integrator is ~~contracted~~
~~(reduced)~~ reduced in a direction ~~of tilt~~ in which the optical axis of the illumination light is
tilted with respect to the spatial light modulation element ~~of the illumination light~~ as
compared to the aspect ratio of the illumination range of the spatial light modulation element
[[.]] , and

wherein when the tilt angle formed between the optical axis of the illumination light
emitted from the illumination optical system and the surface of the spatial light modulation
element is θ , the aspect ratio in the direction of tilt of respective elements of the integrator is
caused to be the aspect ratio in the direction of tilt of the illumination range of the spatial
light modulation element multiplied by $\cos \theta$.

5. (Cancelled)

Please add the following new claim:

6. (New) An image display apparatus comprising:
a spatial light modulation element including a reflection electrode;
an illumination optical system including a polarization element, an integrator in which
plural elements are arranged in a matrix form, and a light source which indirectly illuminates
the spatial light modulation element through the polarization element and the integrator;

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a projection lens for projecting an image produced by the spatial light modulation element; and

a reflection plane surface disposed in the vicinity of the rear end portion of the projection lens in such a manner to minimize a tilt angle between a surface of the spatial light modulation element and an optical axis of the illumination light beams incident on the spatial light modulation element, and in such a manner that any modulated light beam reflected from the spatial light modulation element does not cross the illumination beam that generated it, and

wherein the aspect ratio of respective elements of the integrator is reduced in a direction in which the optical axis of the illumination light is tilted with respect to the spatial light modulation element as compared to the aspect ratio of the illumination range of the spatial light modulation element.